

Title (en)
CURABLE PRECURSOR OF A STRUCTURAL ADHESIVE COMPOSITION

Title (de)
HÄRTBARER VORLÄUFER EINER STRUKTURELLEN KLEBSTOFFZUSAMMENSETZUNG

Title (fr)
PRÉCURSEUR DURCISSABLE D'UNE COMPOSITION ADHÉSIVE STRUCTURALE

Publication
EP 3719088 B1 20240904 (EN)

Application
EP 19166858 A 20190402

Priority
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Abstract (en)
[origin: EP3719088A1] The present disclosure relates to a curable precursor of a structural adhesive composition, comprising: a) a cationically self-polymerizable monomer; b) a polymerization initiator of the cationically self-polymerizable monomer which is initiated at a temperature T1; c) a curable monomer which is different from the cationically self-polymerizable monomer; and d) a curing initiator of the curable monomer which is initiated at a temperature T2 and which is different from the polymerization initiator of the cationically self-polymerizable monomer; and e) a thixotropic agent. According to another aspect, the present disclosure is directed to a partially cured precursor of a structural adhesive composition. According to still another aspect, the present disclosure relates to a method of bonding two parts. In yet another aspect, the disclosure relates to the use of a curable precursor or a partially cured precursor as described above, for industrial applications, in particular for body-in-white bonding applications for the automotive industry.

IPC 8 full level
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C-Set (source: EP)
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Citation (examination)
• EP 3632964 A1 20200408 - 3M INNOVATIVE PROPERTIES CO [US]
• WO 2018057335 A1 20180329 - 3M INNOVATIVE PROPERTIES CO [US]

Cited by
WO2022137220A1

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